

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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LAKE ST CLAIR

LAKE ST CLAIR (U.S. PORTION) COUNTY

NEW BALTIMORE	03/27/07 13:15 EST		0	Marine Hail (1.00 in)
	03/27/07 13:15 EST		0	42.68N, 82.73W

ST CLAIR RIVER COUNTY

ALGONAC	03/27/07 13:15 EST		0	Marine Hail (1.00 in)
	03/27/07 13:15 EST		0	42.62N, 82.53W

LAKE ST CLAIR (U.S. PORTION) COUNTY

NEW BALTIMORE	03/27/07 13:42 EST		0	Marine Hail (1.00 in)
	03/27/07 13:42 EST		0	42.68N, 82.73W

ST CLAIR RIVER COUNTY

ALGONAC	03/27/07 13:42 EST		0	Marine Hail (1.00 in)
	03/27/07 13:42 EST		0	42.62N, 82.53W

Thunderstorms producing hail up to the size of quarters affected portions of Lake St Clair and the St Clair River.

MICHIGAN, East

MIDLAND (MI-Z047), BAY (MI-Z048), HURON (MI-Z049), TUSCOLA (MI-Z054), SANILAC (MI-Z055)

03/01/07 05:00 EST		1.50M	Winter Storm
03/02/07 02:00 EST		0	

SAGINAW (MI-Z053), GENESEE (MI-Z061), LAPEER (MI-Z062), ST. CLAIR (MI-Z063), OAKLAND (MI-Z069), MACOMB (MI-Z070), WAYNE (MI-Z076)

03/01/07 06:00 EST		0	Winter Weather
03/01/07 20:00 EST		0	

The last winter storm of the 2006 - 2007 season, true to form, brought yet another batch of mixed precipitation to Southeast Michigan, and resulted in a high impact event across the Thumb region, where heavy freezing rain caused significant icing. A strong low pressure system, moving northeast out of Oklahoma, was to blame. Ahead of this system, a warm and moist airmass from the Gulf of Mexico was drawn north into Michigan atop a sub-freezing layer at the surface. The event started before sunrise on March 1st, when a mixture of snow, sleet, and freezing rain fell along and south of the I69 corridor. By early afternoon, temperatures had climbed above freezing in these areas and precipitation changed over to all rain. Minor icing, up to two tenths of an inch on elevated surfaces, had only minimal impacts with only a few reports of a few small limbs down. Farther north, the precipitation started as all snow and accumulated up to 4 inches before changing over to freezing rain by late afternoon. Temperatures remained just below freezing throughout the evening, when several bands of very heavy precipitation led to significant icing across portions of Midland County, Bay County, and the Thumb. Areas hardest hit, with widespread ice accumulations around an inch, were across northern Tuscola County, northern Sanilac County, and throughout Huron County, especially in communities along the shoreline in the tip of the Thumb. Most of the damage occurred between 2200 EST on March 1st and 0100 EST on March 2nd, when strong winds gusted up to 50 MPH and brought down widespread trees and snapped power poles in half for miles. More than half of the Huron County population, more than 15,000, lost power. Some were without power for up to 6 days. Hundreds of Huron County residents sought refuge in emergency shelters set up by the Red Cross. Hundreds of traffic accidents were reported during the storm. Most traffic related injuries were minor, but about a half dozen people were critically injured and at least one death was blamed on the storm (indirect). A 40 year old man lost his life in a fatal car accident caused by icy roads and high winds in Lapeer County. The total monetary value attributed to this storm was estimated at around \$1.5M, with nearly all of this in Huron County alone.

SHIAWASSEE COUNTY

3.0 S BANCROFT	03/26/07 01:45 EST	25K	Lightning
	03/26/07 01:45 EST	0	42.8366N, 84.07W

Record setting heat led to an isolated thunderstorm. A barn in Shiawassee Township was destroyed when lightning struck it and set it on fire. Farm equipment and bales of hay were burned in the blaze. Total monetary damage caused by the lightning was estimated at roughly \$25K.

MACOMB COUNTY

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
2.0 SW NEW BALTIMORE	03/27/07 13:15 EST		0	Hail (1.00 in)
	03/27/07 13:15 EST		0	42.6596N, 82.7578W
MACOMB COUNTY				
0.9 NE CHESTERFIELD	03/27/07 13:42 EST		0	Hail (1.00 in)
	03/27/07 13:42 EST		0	42.68N, 82.82W
MACOMB COUNTY				
4.0 E (MTC)MT CLEMENS/SELF	03/27/07 14:20 EST		0	Hail (1.00 in)
	03/27/07 14:20 EST		0	42.6N, 82.7514W
MACOMB COUNTY				
0.9 NE CHESTERFIELD	03/27/07 14:30 EST		0.25M	Flash Flood (due to Heavy Rain)
	03/27/07 21:00 EST		0	42.6788N, 82.818W
<p>An extreme amount of rain fell in a short period of time, 4 inches in only one hour, during a thunderstorm that became stationary over Clinton Township. Rain fell so fast that sewers were unable to handle the water flow and flash flooding ensued. Water was three to four feet deep in some spots, flooding multiple homes and swamping cars up to their windows. It was estimated that 100 homes suffered some type of water damage, with at least 30 homes flooded by at least 2 feet of water. Multiple roads became impassable from the flooding and had to be closed off. Lifelong residents reported the flooding to be by far the worst they had ever witnessed. This was also not considered a flood plain, thus nearly all residents were without flood insurance. Total monetary damages attributed to the flooding were estimated at roughly \$300K.</p>				
MACOMB COUNTY				
1.5 SSE UTICA	03/27/07 14:32 EST		0	Hail (0.75 in)
	03/27/07 14:32 EST		0	42.63N, 83.02W
MACOMB COUNTY				
0.5 W NEW BALTIMORE	03/27/07 14:42 EST		0	Hail (1.00 in)
	03/27/07 14:42 EST		0	42.68N, 82.74W
OAKLAND COUNTY				
0.7 S BIRMINGHAM	03/27/07 14:55 EST		0	Hail (0.75 in)
	03/27/07 14:55 EST		0	42.54N, 83.22W
WASHTENAW COUNTY				
0.9 NW SALINE	03/27/07 16:34 EST		0	Hail (0.75 in)
	03/27/07 16:34 EST		0	42.18N, 83.78W

A slow southward moving cold front stalled out just south of the I69 corridor. South of this front, well above normal temperatures and an unseasonably moist airmass resulted in a moderately unstable atmosphere. This set the stage for slow moving pulse like thunderstorms to produce large hail and very heavy rain. This was a marginal severe weather event with most of the hail reports coming out of Macomb County. This event also caused flash flooding in Chesterfield Township, after a thunderstorm became stationary and led to an extended period of heavy rain. Numerous homes were flooded with up to 3 feet of water.